

PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference 16894	FOR FURTHER ACTION see Form PCT/ISA/220 as well as, where applicable, item 5 below.	
International application No. PCT/CA2004/000998	International filing date (day/month/year) 08/07/2004	(Earliest) Priority Date (day/month/year) 08/07/2003
Applicant MCGILL UNIVERSITY		

This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This International Search Report consists of a total of 4 sheets.

☒ It is also accompanied by a copy of each prior art document cited in this report.

1. Basis of the report

a. With regard to the **language**, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.

☐ The international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

b. ☐ With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, see Box No. I.

2. ☐ **Certain claims were found unsearchable** (See Box II).

3. ☐ **Unity of invention is lacking** (see Box III).

4. With regard to the **title**,

☒ the text is approved as submitted by the applicant.

☐ the text has been established by this Authority to read as follows:

5. With regard to the **abstract**,

☒ the text is approved as submitted by the applicant.

☐ the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box No. IV. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. With regards to the **drawings**,

a. the figure of the **drawings** to be published with the abstract is Figure No. _____

☐ as suggested by the applicant.

☐ as selected by this Authority, because the applicant failed to suggest a figure.

☐ as selected by this Authority, because this figure better characterizes the invention.

b. ☒ none of the figures is to be published with the abstract.

INTERNATIONAL SEARCH REPORT

International Application No

PCT/CA2004/000998

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 C12N5/06 A01K67/027

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C12N A01K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, BIOSIS, EMBASE

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EGGAN KEVIN ET AL: "Hybrid vigor, fetal overgrowth, and viability of mice derived by nuclear cloning and tetraploid embryo complementation" PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF USA, NATIONAL ACADEMY OF SCIENCE. WASHINGTON, US, vol. 98, no. 11, 22 May 2001 (2001-05-22), pages 6209-6214, XP002206043 ISSN: 0027-8424 cited in the application	3,6-13, 20-22
Y	the whole document ----- -/--	2,4,5

☒ Further documents are listed in the continuation of box C.☐ Patent family members are listed in annex.

* Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance: the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

Y document of particular relevance: the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

& document member of the same patent family

Date of the actual completion of the international search

22 October 2004

Date of mailing of the international search report

08/11/2004

Name and mailing address of the ISA

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	YAGI TAKESHI ET AL: "A novel ES cell line, TT2, with high germline-differentiating potency" ANALYTICAL BIOCHEMISTRY, vol. 214, no. 1, 1993, pages 70-76, XP002302001 ISSN: 0003-2697	1,2, 14-16
Y	table 1	17-19
Y	----- JASIN MARIA ET AL: "Targeted transgenesis" PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA, vol. 93, no. 17, 1996, pages 8804-8808, XP002302284 ISSN: 0027-8424 the whole document	2,4,5, 17-19
A	----- SUZUKI O ET AL: "Effect of genetic background on establishment of mouse embryonic stem cells" EXPERIMENTAL ANIMALS, TOKYO, JP, vol. 48, no. 3, 1999, pages 213-216, XP002969405 ISSN: 1341-1357 the whole document	1-22
A	----- NAGY A ET AL: "Derivation of completely cell culture-derived mice from early-passage embryonic stem cells" PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF USA, NATIONAL ACADEMY OF SCIENCE. WASHINGTON, US, vol. 90, no. 18, 15 September 1993 (1993-09-15), pages 8424-8428, XP002182191 ISSN: 0027-8424 cited in the application the whole document	1-22
A	----- GARDNER R L ET AL: "REFLECTIONS ON THE BIOLOGY OF EMBRYONIC STEM (ES) CELLS" INTERNATIONAL JOURNAL OF DEVELOPMENTAL BIOLOGY, UNIVERSITY OF THE BASQUE COUNTRY PRES, LEIOA, ES, vol. 41, April 1997 (1997-04), pages 235-243, XP000944588 ISSN: 0214-6282 table 2 ----- -/--	1-22

INTERNATIONAL SEARCH REPORT

International Application No

PCT/CA2004/000998

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	CROSS J C: "Factors affecting the developmental potential of cloned mammalian embryos" PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF USA, NATIONAL ACADEMY OF SCIENCE. WASHINGTON, US, vol. 98, no. 11, 22 May 2001 (2001-05-22), pages 5949-5951, XP002971417 ISSN: 0027-8424 cited in the application the whole document	1
P,X	FARHADI HOOMAN F ET AL: "A combinatorial network of evolutionarily conserved myelin basic protein regulatory sequences confers distinct glial-specific phenotypes." JOURNAL OF NEUROSCIENCE, vol. 23, no. 32, 12 November 2003 (2003-11-12), pages 10214-10223, XP008037383 ISSN: 0270-6474 cited in the application page 10215, line R, paragraphs 5,6	1-4,6-8, 11,12, 20-22